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Application No.

10/641,145

Examiner

KATSUI, SEIZO

Applicant(s)

Art Unit

Kenneth B Rinehart

3749

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal Α 0 Objected

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| Cla              | aim      | Г         | -        |          |          | Dat  |          |               |              |  | 1 1      | CI       | aim      | $\overline{}$ | _        | _ |
|                  | 1        | ष         | Г        | T        | Т        | T  | ĭ        | $\overline{}$ | T            | 1  | 1        | Cic      | 1        | ⊢             | Г        | Т |
| Final            | Original | 46/2/2    |          |          |          |  |          |               |              |  |          | Final    | Original |               |          |   |
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|                  | (3)      | 9         |          |          | T        | T  | 1        |               | t            | T  | 1 1      |          | 53       | _             | ┢        | t |
|                  | <b>3</b> | 0         | _        | T        | $\vdash$ |  | 1-       | _             | 1            |  | 1        |          | 54       |               | 一        | t |
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|                  | 6        | 0         |          | Г        | T        |  |          |               | 1            |  | 1        |          | 56       |               | _        | t |
|                  | 7        | Δ         |          |          |          |  |          |               |              |  | 1        |          | 57       |               |          | Ī |
|                  | 8        |           |          |          | L        |  |          |               |              |  |          |          | 58       |               |          | T |
|                  | 9        |           |          | L        | <u> </u> | L  | _        | _             | L            | L  |          |          | 59       |               |          | 1 |
|                  | 10       |           |          | _        | <u> </u> | L_   | <u> </u> | <u> </u>      | <u> </u>     | _  |          |          | 60       |               | L        | 1 |
|                  | 11       |           |          | _        | L-       | <u> </u>   | <u> </u> | L             | _            | <u> </u>   |          |          | 61       |               |          | 1 |
| $\vdash$         | 12       |           |          | _        | -        | _  | _        |               | <u> </u>     | _  |          |          | 62       |               | _        | 1 |
|                  | 13       | $\vdash$  | _        | ┝        | ├-       | ├-   | <b>!</b> |               | ╀            | ├_   |          |          | 63       | -             |          | 1 |
| <del></del>      | 14<br>15 |           |          | ┝        | -        | ├-   | ⊢        | ┝             | ├            | -  |          |          | 64<br>65 | $\vdash$      |          | ╀ |
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|                  | 18       | -         | -        |          | -        | ┢  | $\vdash$ | $\vdash$      |              | _  | <b> </b> |          | 68       | Н             | _        | ł |
| -                | 19       | $\neg$    |          | -        | 1-       | <del>                                     </del> | H        | $\vdash$      | -            | ┢  |          |          | 69       |               | _        | t |
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|                  | 21       |           |          |          |          |  |          | $\vdash$      | _            | <u> </u>   | 1        |          | 71       |               |          | t |
|                  | 22       |           | _        |          |          |  |          | _             |              |  |          |          | 72       |               | _        | t |
|                  | 23       |           |          |          |          | l  |          |               |              |  | lļ       |          | 73       |               |          | t |
|                  | 24       |           |          |          |          |  |          |               |              |  |          |          | 74       |               |          | Ī |
|                  | 25       |           |          |          |          |  | _        |               | L            |  |          |          | 75       |               |          | L |
|                  | 26       |           |          |          |          |  | L_       |               | $oxed{oxed}$ | _  |          |          | 76       |               |          | L |
|                  | 27       | _         |          |          | <u> </u> |  |          | <u> </u>      | <u> </u>     | <u> </u>   |          |          | 77       |               |          | L |
| -                | 28       | $\dashv$  | _        |          |          |  | <u> </u> | ļ             | <u> </u>     |  |          |          | 78       | -             |          | Ļ |
|                  | 29<br>30 | $\dashv$  |          |          | ļ        | _  | <u> </u> | -             | ⊢            | ļ  |          |          | 79       | $\dashv$      |          | l |
|                  | 31       |           |          |          |          | _  | <u> </u> |               |              | _  |          |          | 80       |               |          | ŀ |
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|                  | 33       |           |          | _        |          |  |          |               | $\vdash$     | -  | -        |          | 83       | $\dashv$      | _        | H |
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| Cla         | aim      |          |              |              |              | Dat      | te           |           |              |          |
|-------------|----------|----------|--------------|--------------|--------------|----------|--------------|-----------|--------------|----------|
| Final       | Original |          |              |              |              |          |              |           |              |          |
|             | 51       |          | T            | †            | 1            | +-       | 1            | 1         | t            | 1        |
|             | 52       | <u> </u> | 1            | 十            | +-           | +        | +            | $\vdash$  | +            |          |
| -           | 53       | -        | $\vdash$     | ╁╌           | ╁╴           | +        | +            | +         | ╁┈           | -        |
|             | 54       |          | 十            | ┿            | ╁            | +        | +            | $\vdash$  | -            | $\vdash$ |
| <del></del> | 55       | ┝        | ┢            | ╁            | ╁            | ╁        | ╁            | ╁         | ╁            | -        |
|             | 56       | ⊢        | ╁            | +-           | +-           | ┿        | +            | ╁         | ⊢            | ├        |
| -           | 57       | ├        | ╁            | ╁            | ╁            | +        | ╁            | ╁         | ┼            | ┈        |
| -           | 58       | ┝        | ╫            | +            | ╁            | ╁        | ╁            | ╁╌        | ╁            | ┝        |
|             | 59       | $\vdash$ | ╁            | ╁╌           | ╁            | +        | ┿            | ╁         | ╁            | ┢        |
|             | 60       |          | ┼            | ╁            | ╁╌           | -        |              | ╁         | ⊢            |          |
|             | 61       |          | ⊢            | ┼            | ╁            | ╆        | ⊬            | ┢         | ┼            | ├        |
| $\vdash$    | 62       |          | ╁            | ┼            | ╁            | ╁        | ╆            | ₩         | ├-           | ├        |
|             | 63       |          | ╁            | ╁            | ╀            | ╁        | ┼            | ╌         | ╁            |          |
|             | 64       |          | ╁            | ╀            | ╁            | ╁        | ┼            | ├         | ├            | Ͱ        |
|             |          | _        | -            | -            | ╁            | ╁┈       | -            | ├-        | ⊢            |          |
| -           | 65       |          | ├-           | ╀            | +-           | ╁        | ╀            | ├         | ⊢            | -        |
|             | 66       |          | ┢            | ╀            | ╀            | ┼        | ⊢            | ┞         | ⊢            | <u> </u> |
| <u> </u>    | 67       | _        | ├-           | ├-           | $\vdash$     | -        | ⊢            | ┡         | $\vdash$     |          |
|             | 68       |          | <del> </del> | ╀            | ┼-           | ┼        | ╀            | -         | _            | -        |
| $\vdash$    | 69       |          | <u> </u>     | ╄-           |              | ┼        | ┞            | ┞         | ┝            | ļ        |
|             | 70       |          | -            | ╁            | _            | ┼        | ⊢            | ⊢         | ⊢            | <u> </u> |
| -           | 71       |          | ⊬            | ├-           | ╁            | ╀-       | ļ            |           | _            | <u> </u> |
|             | 72       | _        | <b> </b>     | <u> </u>     | -            | ļ        | _            | ļ         | <u> </u>     |          |
| <b> </b>    | 73<br>74 |          | <u> </u>     | ـ            | ┡            | _        | <del> </del> | _         | ╙            | <u> </u> |
|             | 74       |          | ļ            | _            | -            | ـ        | ⊢            | <u> </u>  | <u> </u>     | _        |
|             | 75       |          | <del> </del> | <del> </del> | ├-           | -        |              | _         | <u> </u>     | <u> </u> |
| -           | 76       |          | <u> </u>     | ├-           | ├            | ⊬        | -            |           |              | H        |
| +           | 77       |          | _            | -            | <del> </del> | ₩        | <u> </u>     | <u> </u>  | <u> </u>     | Н        |
| -           | 78       |          | ⊢            | ⊢            | ├            | <b>├</b> | ├-           | _         | _            |          |
| $\vdash$    | 79       |          |              | $\vdash$     | ├            | -        | ⊢            | <u> </u>  | <del> </del> | _        |
|             | 80       |          |              | <b>├</b> ─   | ├-           | ├        | -            |           |              |          |
| -           | 81       |          | <u> </u>     |              | -            | ┡        | 1            | ┡         |              |          |
| -           | 82       |          |              | ļ            | <u> </u>     | ├-       | _            | _         | <u> </u>     |          |
| $\vdash$    | 83       |          |              | _            |              | ├_       | <u> </u>     | <u> </u>  | <u> </u>     |          |
| $\vdash$    | 84       |          |              | <del> </del> |              | ▙        |              | _         | _            |          |
|             | 85       |          |              | _            | <u> </u>     | L        | -            |           |              | _        |
| $\vdash$    | 86       |          | <u> </u>     | -            |              |          |              | H         |              |          |
|             | 87       |          |              | <del> </del> | _            | _        | _            |           |              | -        |
| -           | 88       |          |              |              | ļ            | <u> </u> | <u> </u>     | <u> </u>  |              | -        |
|             | 89       | _        | _            | ⊢            | <u> </u>     | <u> </u> |              |           |              |          |
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|             | 100      | $\Box$   |              |              |              | L        |              |           |              |          |

|  | j   | <u></u>  | <u> </u> |          |          |           |              |          | J          |          |
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| CI   | aim   |          |          |          |          | Dat       | Δ.           |          |            |          |
| <u>U</u>   |   | $\vdash$ | т-       | Т        | т-       | Tal       | <del>-</del> | 1        | Т          | T        |
| <u>~</u>   | Original                                      | 1        |          |          | 1        | l         |              | 1        |            |          |
| Final  | ij  |          | ı        |          |          |           | 1            |          |            |          |
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| $\vdash$   | 101   |          | ╁        | ┿        | ╁        | +         | $\vdash$     | ╁        |            | $\vdash$ |
|  | 101<br>102                                    | $\vdash$ | 1-       | +-       | +        | ╁         | ┼            | $\vdash$ | ╁          |          |
|  | 103   |          | 1        | +        | t        | +         | ╁┈           | 1-       | ┪—         | +        |
|  | 103<br>104<br>105                             | -        | _        | †        | t        | ╁         | +            | +-       | +          | +-       |
| <del>                                     </del> | 105   | -        | $\vdash$ |          | +-       | $\dagger$ | 1            | 1        | ╁          | 一        |
| <b>-</b>   | 106   | -        | t        | † -      | †-       | +         | 十            | T        | +          | -        |
|  | 107   |          | T        | <u> </u> | 1        | ✝         | 1            | 1        | T          |          |
|  | 108   |          | T        | T        | t        | 1         | 1            | 1        | 1          |          |
|  | 109   |          | T        | $\vdash$ | †        | t         | T            | T        | T          |          |
|  | 110   | _        | 1        | T        | T        | Т         |              | T        | T          |          |
|  | 111<br>112                                    |          |          | Τ        | T        |           |              | 1        | T          |          |
|  | 112   |          | Г        | Г        | Т        |           | 1            |          |            |          |
|  | 113<br>114<br>115<br>116                      |          |          | Г        | Τ        | Т         |              |          |            |          |
|  | 114   |          |          | T        | Т        | T         | Г            |          | $\top$     |          |
|  | 115   |          |          |          | Г        | Т         |              |          |            |          |
|  | 116   |          | П        | Π        | Т        |           |              | Π        |            |          |
|  | 117   |          |          | İ        |          | Г         |              |          |            |          |
|  | 117<br>118                                    |          |          |          | T        |           | ╁┈           | T        | T          | П        |
|  | 119<br>120                                    |          | Г        |          |          |           |              |          | Г          | T        |
|  | 120   |          |          | Γ        |          | T         | <b> </b>     |          |            |          |
|  | 121   |          | Π        | П        | Π        | Γ         |              |          |            | П        |
|  | 122   |          |          | Γ        |          |           |              |          |            |          |
|  | 121<br>122<br>123                             |          |          |          |          |           | Γ            |          |            | П        |
|  | 124   |          |          |          |          |           |              |          |            |          |
|  | 125   |          |          | L        |          |           |              |          |            |          |
|  | 126   |          |          |          |          |           |              |          | L          |          |
|  | 127   |          |          |          | L        | L         | L            | L        |            | Ш        |
|  | 124<br>125<br>126<br>127<br>128<br>129<br>130 |          |          | <u> </u> |          |           |              |          |            |          |
|  | 129   |          |          |          | L        |           |              |          |            |          |
|  | 130   |          |          |          |          |           |              |          | L          |          |
|  | 131   |          |          |          |          | L         |              | L        | L          | Ш        |
|  | 132<br>133                                    |          |          |          | L_       | ļ         |              | L        | _          | Ш        |
|  | 133   |          | _        | _        | L        |           |              | _        | L          | Ш        |
|  | 134   |          | <u> </u> | _        |          | L_        |              | _        | _          |          |
|  | 135<br>136                                    |          | <u> </u> | <u> </u> | _        | _         |              | L        | L          | Щ        |
|  | 136   |          | _        | _        | _        | _         | L            |          | <u>L</u> . | Ш        |
|  | 137   |          | _        | _        | _        | _         |              |          | _          |          |
|  | 138   |          | _        | <u> </u> |          | <u> </u>  | <u> </u>     |          |            | Ш        |
| -  | 139   |          |          |          | <u> </u> | _         | <u> </u>     | <u> </u> | ļ          |          |
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|  | 143   |          |          | _        |          | _         |              | _        |            | Ш        |
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|  | 146   | _        | _        |          | $\vdash$ | <u> </u>  |              | _        |            | Щ        |
|  | 147   | 4        | $\vdash$ |          | _        | -         | L.,          | L.,      | ļ          | Щ        |
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